

Recombinant Full Length Human STAU1 Protein, N-His-tagged

Cat. No. STAU1-1587HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human STAU1 Protein, fused to His-tag at N-terminus, was expressed in E. coli.
Species	Human
Source	E.coli
Description	Staufen is a member of the family of double-stranded RNA (dsRNA)-binding proteins involved in the transport and/or localization of mRNAs to different subcellular compartments and/or organelles. These proteins are characterized by the presence of multiple dsRNA-binding domains which are required to bind RNAs having double-stranded secondary structures. The human homologue of staufen encoded by STAU, in addition contains a microtubule-binding domain similar to that of microtubule-associated protein 1B, and binds tubulin. The STAU gene product has been shown to be present in the cytoplasm in association with the rough endoplasmic reticulum (RER), implicating this protein in the transport of mRNA via the microtubule network to the RER, the site of translation.
Form	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl.
Molecular Mass	54.8 kDa
AA Sequence	A DNA sequence encoding human full-length STAU1.
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.

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Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

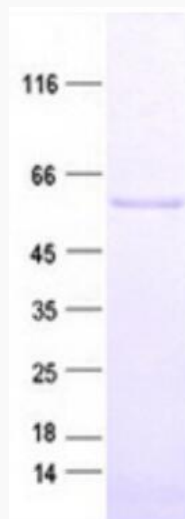
GENE INFORMATION

Gene Name	STAU1 staufen double-stranded RNA binding protein 1 [Homo sapiens (human)]
Official Symbol	STAU1
Synonyms	STAU; PPP1R150
Gene ID	6780
mRNA Refseq	NM_017452.4
Protein Refseq	NP_059346.2
MIM	601716
UniProt ID	O95793

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SDS-PAGE

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